Collaborative Research: Impacts of Assimilating Remotely Sensed Snow on the Prediction of Orographic Precipitation and Streamflow in the Western United States

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Report Figures:

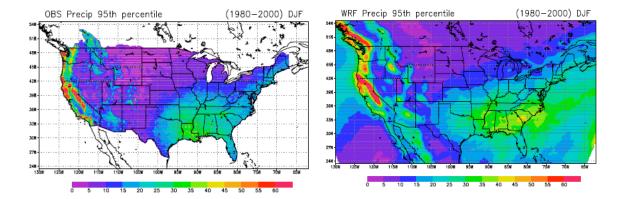


Figure 1. Observed (left) and simulated (right) 95th percentile daily precipitation (in mm/day) for December-January-February averaged from 1980-2000. Observations are based on the University of Washington 1/8 degree gridded data. Simulation is performed using WRF at 50 km grid resolution driven by a global reanalysis for North America.

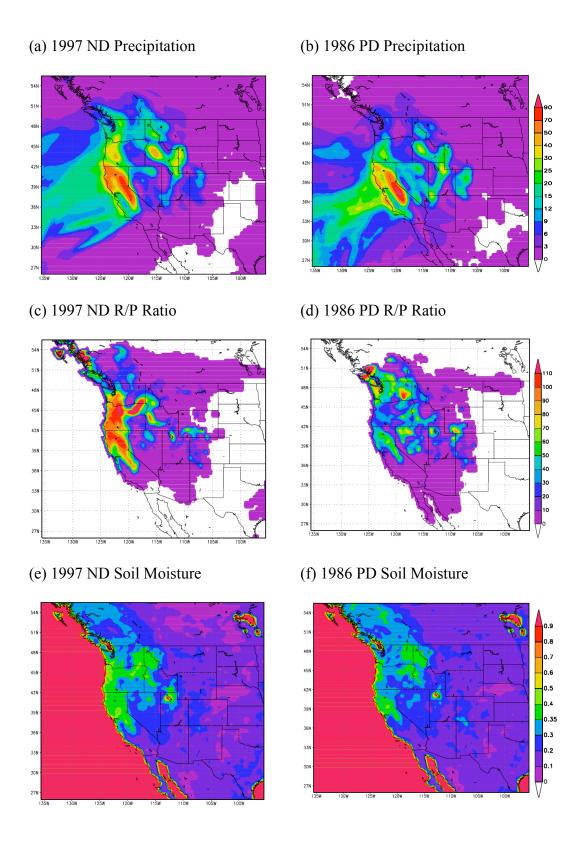


Figure 2. Comparison of (a-b) precipitation (mm/day), (c-d) runoff to precipitation (R/P) ratio, and (e-f) antecedant soil moisture (mm) for the total soil column for the 1997 New Year Day (ND) (left) and 1986 President Day (PD) (right) events.